

Effect of K-PVIA on potassium levels in primary cultures of myocytes.
15 min after K-PVIA application (PBFI dye)

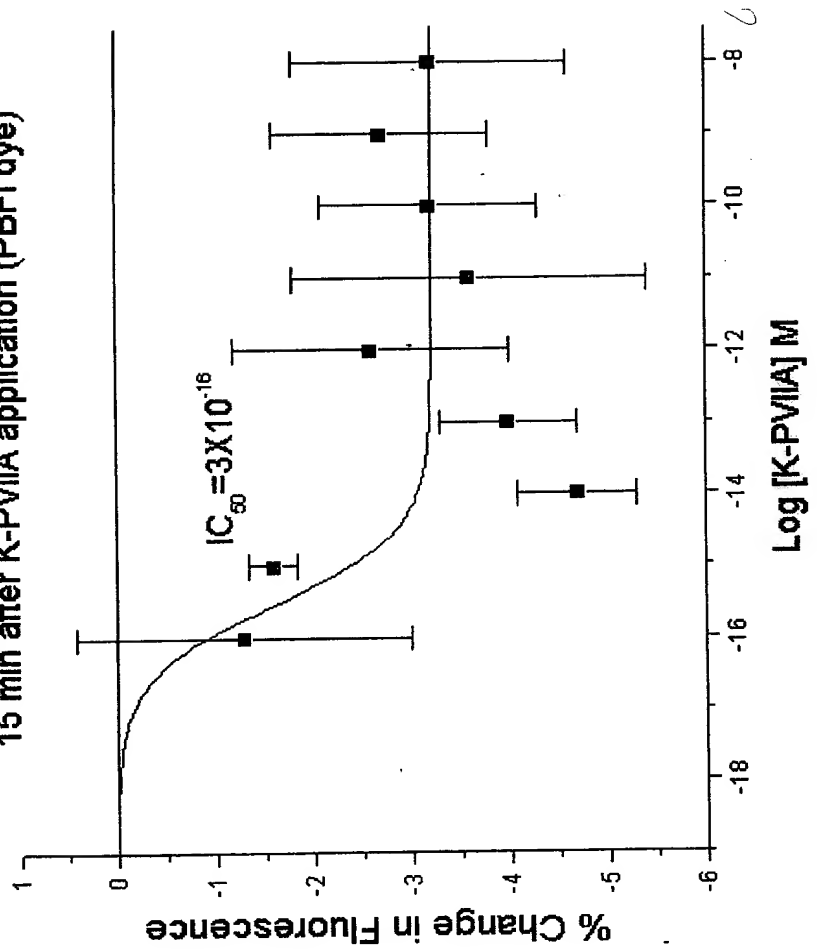


FIG. 1

FIG. 2A Myocytes

Change in membrane potential induced by Kappa-PVIA

15 min

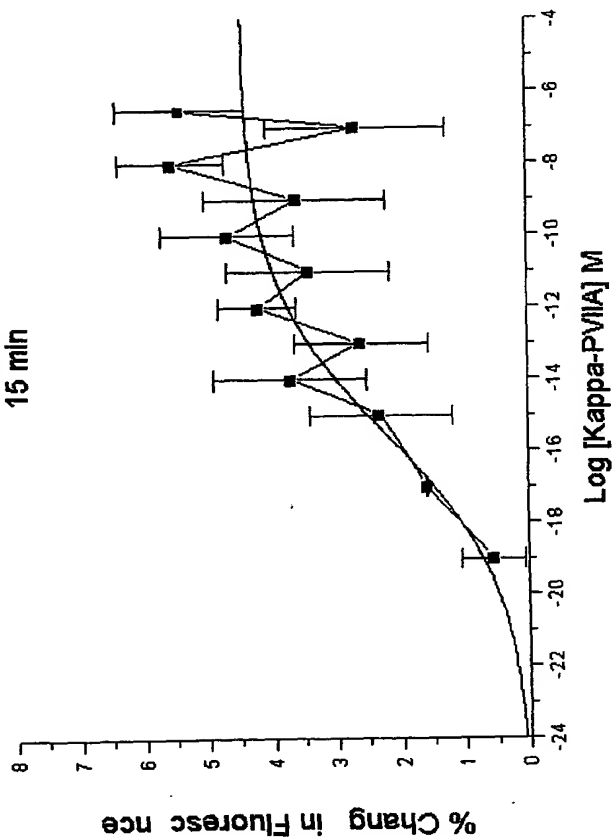


FIG. 2B Cortex

Change in Membrane potential induced by Kappa-PVIA

5 min

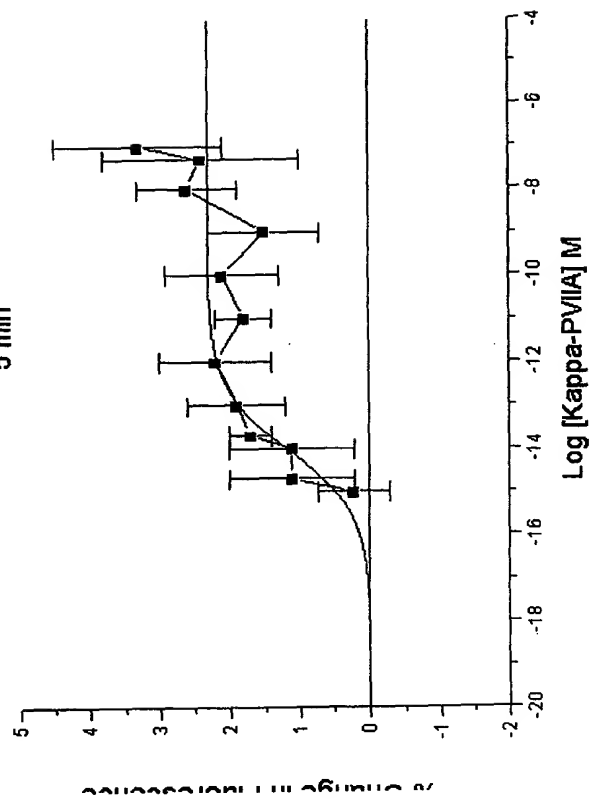


FIG. 4A)

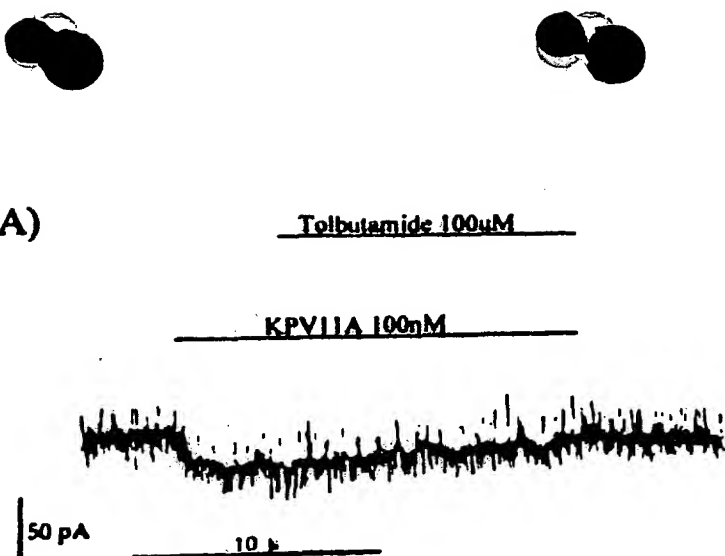


FIG. 4B) Repeated applications of 100nM KPV11A

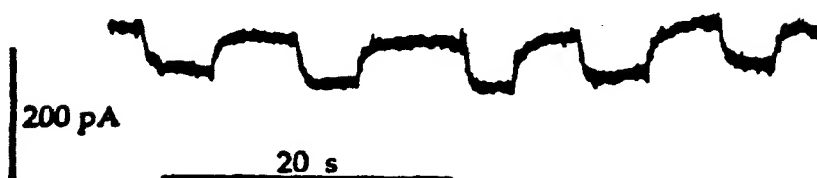
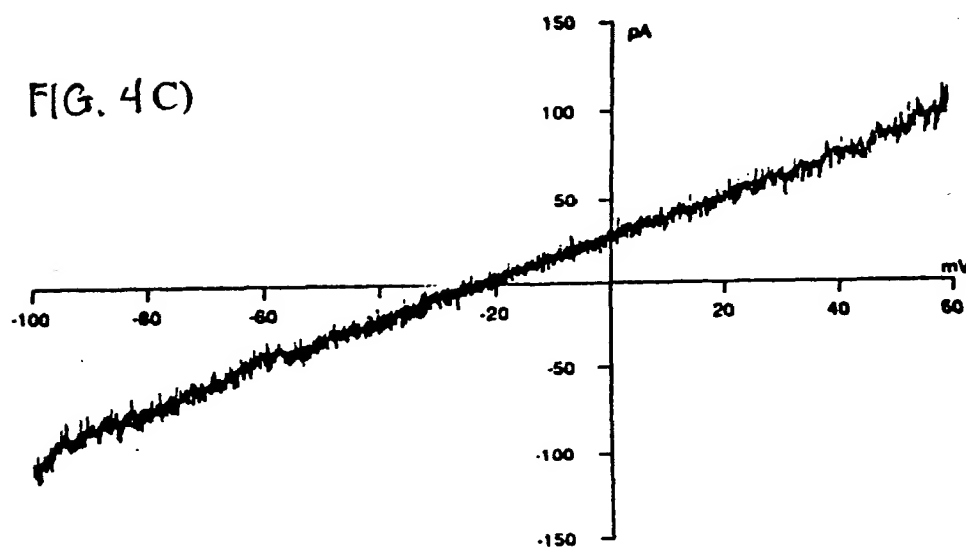


FIG. 4C)



N₂-induced hypoxia

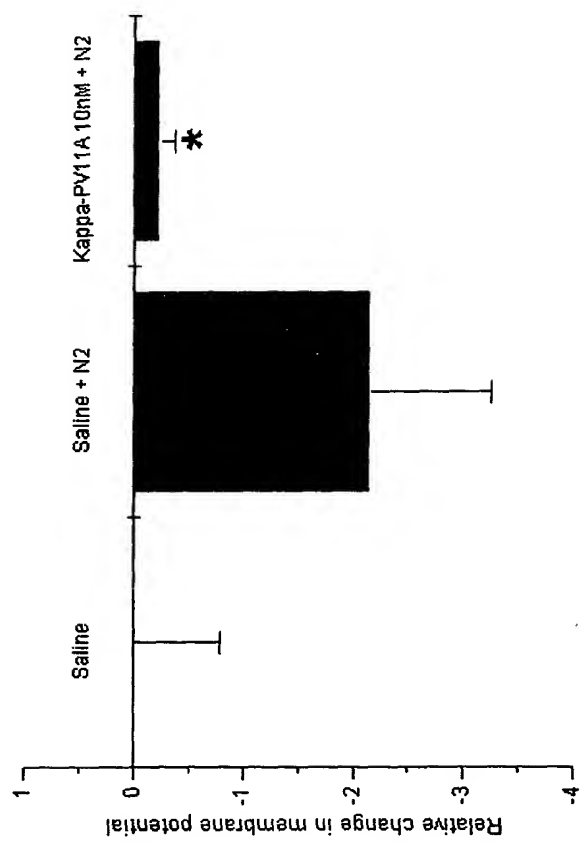


FIG. 5

Figure 1 is a graph showing the effect of Kappa-PV11A on the fluorescence of the Kappa-PV11A complex. The y-axis is labeled '% Change in Fluorescence' and ranges from -5 to 30. The x-axis is labeled 'log [Kappa-PV11A] M' and ranges from -16 to -6. The data points, represented by black circles with vertical error bars, show a sigmoidal decrease in fluorescence as the concentration of Kappa-PV11A increases. A solid line represents the fitted curve, which starts at approximately 22% change in fluorescence at low concentrations and decreases to about 4% at high concentrations. A horizontal line at 0% change in fluorescence is also shown for reference.

log [Kappa-PV11A] M	% Change in Fluorescence
-15.0	20.0
-14.0	22.0
-13.0	24.0
-12.0	22.0
-11.0	13.0
-10.0	3.0
-9.0	4.0
-8.0	7.0
-7.0	4.0

FIG. 6